Diego Sanchez

List of Publications by Year
in descending order

56 papers	2,271 citations	218677 26 h-index	223800 46 g-index
56 all docs	56 docs citations	56 times ranked	2698 citing authors

#	Article	IF	Citations
1	Apolipoprotein D is involved in the mechanisms regulating protection from oxidative stress. Aging Cell, 2008, 7, 506-515.	6.7	199
2	A Phylogenetic Analysis of the Lipocalin Protein Family. Molecular Biology and Evolution, 2000, 17, 114-126.	8.9	136
3	Extracellular Vesicles Secreted by Astroglial Cells Transport Apolipoprotein D to Neurons and Mediate Neuronal Survival Upon Oxidative Stress. Frontiers in Cellular Neuroscience, 2018, 12, 526.	3.7	120
4	Loss of Glial Lazarillo, a Homolog of Apolipoprotein D, Reduces Lifespan and Stress Resistance in Drosophila. Current Biology, 2006, 16, 680-686.	3.9	119
5	Control of Metabolic Homeostasis by Stress Signaling Is Mediated by the Lipocalin NLaz. PLoS Genetics, 2009, 5, e1000460.	3.5	110
6	Generation of evolutionary novelty by functional shift. BioEssays, 1999, 21, 432-439.	2.5	96
7	Altered lipid metabolism in a Drosophila model of Friedreich's ataxia. Human Molecular Genetics, 2010, 19, 2828-2840.	2.9	94
8	Exon-Intron Structure and Evolution of the Lipocalin Gene Family. Molecular Biology and Evolution, 2003, 20, 775-783.	8.9	90
9	Molecular identification of KvÎ± subunits that contribute to the oxygenâ€sensitive K⁺ current of chemoreceptor cells of the rabbit carotid body. Journal of Physiology, 2002, 542, 369-382.	2.9	76
10	ApoD, a gliaâ€derived apolipoprotein, is required for peripheral nerve functional integrity and a timely response to injury. Glia, 2010, 58, 1320-1334.	4.9	71
11	A Reanalysis of the Ancient Mitochondrial DNA Sequences Recovered from Neandertal Bones. Molecular Biology and Evolution, 2002, 19, 1359-1366.	8.9	68
12	Molecular evolution of epididymal lipocalin genes localized on mouse chromosome 2. Gene, 2004, 339, 49-59.	2.2	67
13	Molecular characterization and phylogenetic relationships of a protein with potential oxygen-binding capabilities in the grasshopper embryo. A hemocyanin in insects?. Molecular Biology and Evolution, 1998, 15, 415-426.	8.9	56
14	The human carotid body transcriptome with focus on oxygen sensing and inflammation â€“ a comparative analysis. Journal of Physiology, 2012, 590, 3807-3819.	2.9	54
15	Protecting cells by protecting their vulnerable lysosomes: Identification of a new mechanism for preserving lysosomal functional integrity upon oxidative stress. PLoS Genetics, 2017, 13, e1006603.	3.5	53
16	Apolipoprotein D mediates autocrine protection of astrocytes and controls their reactivity level, contributing to the functional maintenance of paraquat-challenged dopaminergic systems. Glia, 2011, 59, 1551-1566.	4.9	51
17	Apolipoprotein D alters the early transcriptional response to oxidative stress in the adult cerebellum. Journal of Neurochemistry, 2011, 117, 949-960.	3.9	49
18	Lipidâ€binding properties of human <scp>A</scp>po<scp>D</scp> and <scp>L</scp>azarilloâ€related lipocalins: functional implications for cell differentiation. FEBS Journal, 2013, 280, 3928-3943.	4.7	48

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19	Evolution of the lipocalin family as inferred from a protein sequence phylogeny. BBA - Proteins and Proteomics, 2000, 1482, 35-45.	2.1	43
20	Expression pattern of the lipocalin Apolipoprotein D during mouse embryogenesis. Mechanisms of Development, 2002, 110, 225-229.	1.7	41
21	Apolipoprotein D modulates amyloid pathology in APP/PS1 Alzheimer's disease mice. Neurobiology of Aging, 2015, 36, 1820-1833.	3.1	41
22	Comparative gene expression profile of mouse carotid body and adrenal medulla under physiological hypoxia. Journal of Physiology, 2005, 566, 491-503.	2.9	37
23	Aging without Apolipoprotein D: Molecular and cellular modifications in the hippocampus and cortex. Experimental Gerontology, 2015, 67, 19-47.	2.8	37
24	The MTT-formazan assay: Complementary technical approaches and in vivo validation in Drosophila larvae. Acta Histochemica, 2018, 120, 179-186.	1.8	35
25	Molecular characterization and developmental expression pattern of the chicken apolipoprotein D gene: Implications for the evolution of vertebrate lipocalins. Developmental Dynamics, 2005, 232, 191-199.	1.8	34
26	Developmental expression and molecular characterization of two gap junction channel proteins expressed during embryogenesis in the grasshopperSchistocerca americana. , 1999, 24, 137-150.		31
27	Sex-dependent modulation of longevity by two Drosophila homologues of human Apolipoprotein D, GLaz and NLaz. Experimental Gerontology, 2011, 46, 579-589.	2.8	28
28	An automated image analysis method to measure regularity in biological patterns: a case study in a Drosophila neurodegenerative model. Molecular Neurodegeneration, 2015, 10, 9.	10.8	27
29	<scp>M</scp>yelin extracellular leaflet compaction requires apolipoprotein <scp>D</scp> membrane management to optimize lysosomalâ€dependent recycling and glycocalyx removal. Glia, 2018, 66, 670-687.	4.9	27
30	Embryonic development of the enteric nervous system of the grasshopperSchistocerca americana. , 1996, 372, 581-596.		25
31	Early Detection of High Oxidative Activity in Patients With Adenomatous Intestinal Polyps and Colorectal Adenocarcinoma: Myeloperoxidase and Oxidized Low-Density Lipoprotein in Serum as New Markers of Oxidative Stress in Colorectal Cancer. Laboratory Medicine, 2015, 46, 123-135.	1.2	25
32	Expression and potential role of apolipoprotein D on the deathâ€“survival balance of human colorectal cancer cells under oxidative stress conditions. International Journal of Colorectal Disease, 2013, 28, 751-766.	2.2	23
33	Schwann cell-derived Apolipoprotein D controls the dynamics of post-injury myelin recognition and degradation. Frontiers in Cellular Neuroscience, 2014, 8, 374.	3.7	23
34	Lazarillo-related Lipocalins confer long-term protection against type I Spinocerebellar Ataxia degeneration contributing to optimize selective autophagy. Molecular Neurodegeneration, 2015, 10, 11.	10.8	21
35	Expression of the AMBP gene transcript and its two protein products, Î±1-microglobulin and bikunin, in mouse embryogenesis. Mechanisms of Development, 2002, 117, 293-298.	1.7	20
36	Grasshopper Lazarillo, a GPI-anchored Lipocalin, increases Drosophila longevity and stress resistance, and functionally replaces its secreted homolog NLaz. Insect Biochemistry and Molecular Biology, 2012, 42, 776-789.	2.7	19

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37	Lipid-Binding Proteins in Brain Health and Disease. Frontiers in Neurology, 2019, 10, 1152.	2.4	19
38	Genetic deficiency of apolipoprotein D in the mouse is associated with nonfasting hypertriglyceridemia and hyperinsulinemia. Metabolism: Clinical and Experimental, 2011, 60, 1767-1774.	3.4	18
39	Lazarillo, a neuronal lipocalin in grasshoppers with a role in axon guidance. BBA - Proteins and Proteomics, 2000, 1482, 102-109.	2.1	17
40	The Lipocalin Apolipoprotein D Functional Portrait: A Systematic Review. Frontiers in Physiology, 2021, 12, 738991.	2.8	17
41	Ligand bindingâ€dependent functions of the lipocalin NLaz: an in vivo study in Drosophila. FASEB Journal, 2014, 28, 1555-1567.	0.5	16
42	Molecular interactions of the neuronal GPIâ€anchored lipocalin Lazarillo. Journal of Molecular Recognition, 2008, 21, 313-323.	2.1	15
43	Contributions of an orthopteran to the understanding of neuronal pathfinding. Immunology and Cell Biology, 1995, 73, 565-574.	2.3	12
44	Phylogeny and regulation of four lipocalin genes clustered in the chicken genome: evidence of a functional diversification after gene duplication. Gene, 2004, 331, 95-106.	2.2	9
45	An Evolutionary Perspective of the Lipocalin Protein Family. Frontiers in Physiology, 2021, 12, 718983.	2.8	9
46	Periaqueductal gray neurons' activity in a mesencephalic slice preparation. Brain Research, 1988, 455, 166-169.	2.2	8
47	Machine Learning Representation of Loss of Eye Regularity in a Drosophila Neurodegenerative Model. Frontiers in Neuroscience, 2020, 14, 516.	2.8	8
48	Apolipoprotein D-mediated preservation of lysosomal function promotes cell survival and delays motor impairment in Niemann-Pick type A disease. Neurobiology of Disease, 2020, 144, 105046.	4.4	7
49	Developmental expression and biochemical analysis of conulin, a protein secreted from a subset of neuronal growth cones. Journal of Neuroscience, 1996, 16, 663-674.	3.6	5
50	Decreased kainate receptors in the hippocampus of apolipoprotein D knockout mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2010, 34, 271-278.	4.8	5
51	Control of the neuroprotective Lipocalin Apolipoprotein D expression by alternative promoter regions and differentially expressed mRNA 5â€™ UTR variants. PLoS ONE, 2020, 15, e0234857.	2.5	4
52	Developmental expression and molecular characterization of two gap junction channel proteins expressed during embryogenesis in the grasshopper Schistocerca americana. Genesis, 1999, 24, 137-150.	2.1	3
53	The Neuroprotective Lipocalin Apolipoprotein D Stably Interacts with Specific Subtypes of Detergent-Resistant Membrane Domains in a Basigin-Independent Manner. Molecular Neurobiology, 2022, 59, 4015-4029.	4.0	3
54	Characterization of mammalian Lipocalin UTRs in silico: Predictions for their role in post-transcriptional regulation. PLoS ONE, 2019, 14, e0213206.	2.5	2

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55	The Role of the Cell Surface in Neuronal Pathfinding. BioScience, 1996, 46, 344-354.	4.9	0
56	Lower Expression of Genes Involved in Protection against Oxidative Stress in Symptomatic Carotid Atherosclerosis. Annals of Vascular Surgery, 2017, 41, 271-278.	0.9	0